APPLN. FILING DATE: FEBRUARY 8, 2002

TITLE: TRANSGENIC PLANTS...GENE EXPRESSION
INVENTOR(S): RANDY DINKINS ET AL.

APPLICATION SERIAL NO: 10/067,989

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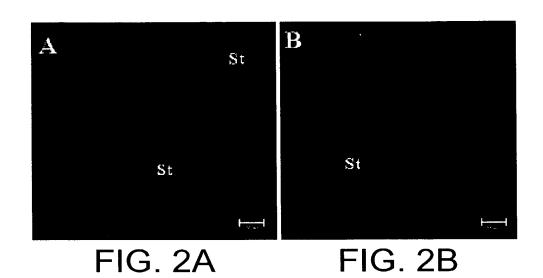
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0 0 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	120 80 64 64	180 135 118 120	232 187 168 178	292 247 228 237	328 286 266 271
PELAGETPRI DDNSKGLERV MNRI	RVNYTCVEVI RVLYTAMDIV RIVYTAIDVL RVVYDFVNVI	PEFSPDFIII .ELGFQFVLI DKFDYIII .AMDFEFIVC	GEEPIKEH	VLNKPPTLAG VLNKKLTLSG VMEEKLSVPG ILDINA.DAG	s stis
IRSVLQFNRK MVFSTGNGNG	NLDLLLGLEN NLDLLLGLEN NLDLLLGLEQ NLDLIMGERR	EWLVDALKRT QNLIDSVK LVEQLK .KVLDDLK	LECDGIRDIK LEANGIYNVK LEAEDIGKIS LASKSRRAEN	IRSTNRGFPL IISTNKGEPL IISTNKGEPL LRASNQGEPV	
FVNNPSRRSP	VAIDADLGLR ALIDADIGLR VLIDADFGLR VVIDFDIGLR	LPMGFGGKAL YNVTTKNM DAINAEQMSQ DADLTREGVA	LRDADRVTGL IRDADRVAGL VRDADRVIGL VRDSDRILGI	LGVIPEDSEV LGAIPEDTSV IGILPDDQKI VGVIPEDQSV	FF.SFFGG C.LQE.FFLGEE RRRRLLGG FFLKRLFGG
SQKTLISSPR	LSLARYGFSV MSIARLGYRV AALARLGKKV TGLAQKGKKT	LLCISKPRSK LLAISKNRQK LLPAAQNRSK ILPASQTRDK	VLVTTPDITA VIVTTPEITA IIVTTPEMSA AIITTPEVSS	DVQEMLGLSL DVQEMLGIPL DILDLLAVPL DVLEILTIKL	MVEEEPKKRG TSPQKGMFQK FMAAHNTLLN FIEEE.KK.G
HQSLLLPSSL	GKTTTTANVG GKTTTTANLG GKTTTTANLG GKTTSSAAIA	VRDKRWSNFE IRDKRWKNLA VKDKRLPNLV IKDKRTENLY	ITAITPANEA INAIASAQEA RNAVAPAQEA ALMALYFADE	IKGEDMMSVL IQKNDMMSVR VQLNQMISVE VSRGDMLSME	.VEQDSMKAV IGKQDYFIDL EG.QDIPFLD LGEERPFR
MASLRLFSTN HQS	VVITSGKGGV IVITSGKGGV IVVTSGKGGV IVVTSGKGGV	NGDCRIDQAL EGQCRIDQAL EDECTIDQAL QGDATLNQAL	DCPAGIDAFG DCPAGIDVGF DCPAGIEAGF DSPAGIETGF	MIVNRVRTDM LLVNRVRPDM LIVNRLRPEM LLTRYNPGR	LAFEQAAWRL IAFENAARRL LAFQNIARRL KAYADTVERL

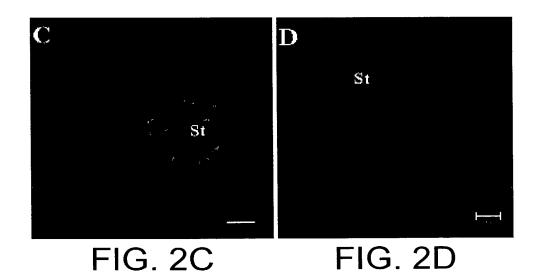
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TITLE: TRANSGENIC PLANTS. . . GENE EXPRESSION

INVENTOR(S): RANDY DINKINS ET AL.

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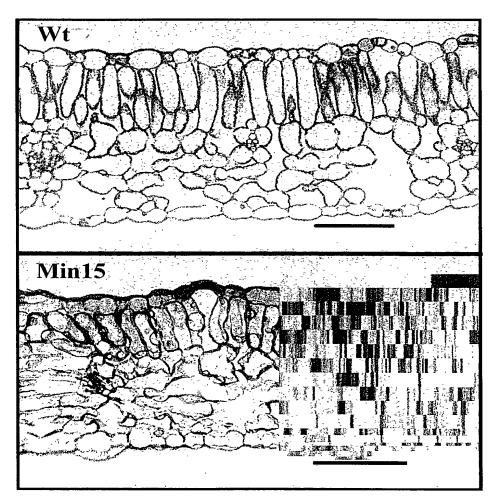


FIG. 3

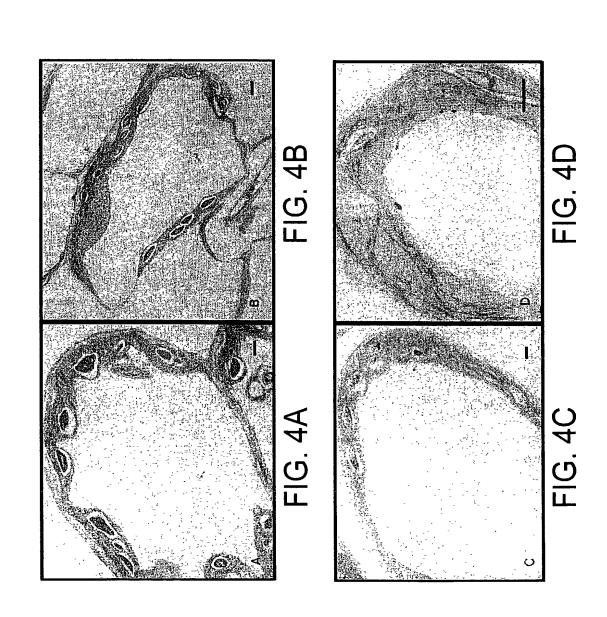
APPLN. FILING DATE: FEBRUARY 8,2004

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INVENTOR(S): RANDY DINKINS ET AL.

APPLICATION SERIAL NO: 10/067,989

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TITLE: TRANSGENIC PLANTS...GENE EXPRESSION
INVENTOR(S): RANDY DINKINS ET AL.
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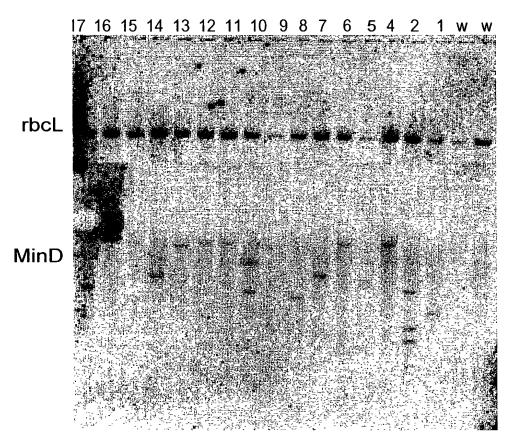


FIG. 5

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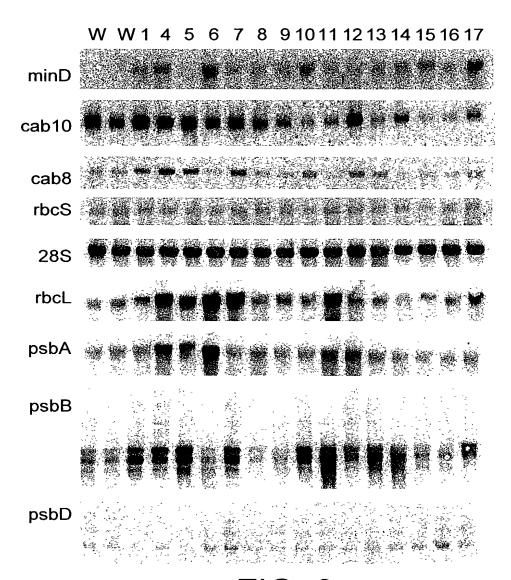


FIG. 6

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	Chlorophyll Content		Fluorescence Measurements			
Line	Total Chl	Chla/b	Fo	Fm	Fv/Fm	
	(ug/mg)	(ratio)	(relative units)	(relative units)	<u>(relative units)</u>	
****	1.00		107 4:10 0	(1 (() 2 4 0	0.777.0.015	
WT	1.99	3.11	137.4 ± 12.0	616.6±34.0	0.777 ± 0.015	
AtMin 4	4 1.71	2.64	135.7±11.8	636.2 ± 27.1	0.787 ± 0.017	
AtMin:	5 1.58	3.01	136.5 ± 17.1	534.9±66.1	0.757 ± 0.020	
AtMin 3	8 1.46	3.07	128.5 ± 32.3	489.9 ± 78.6	0.741 ± 0.037	
AtMin !	9 1.66	3.00	125.5±19.9	520.5±58.3	0.759 ± 0.018	
AtMin	10 1.53	2.95	136.5 ± 11.3	543.1±14.3	0.748 ± 0.025	
AtMin	17 1.44	2.71	139.5±20.6	564.9±32.7	0.756 ± 0.032	
WT	1.69	3.08	105.6±14.9	441.9±58.5	0.760±0.016	
AtMin		2.80	126.4±08.6	436.7±27.2	0.714 ± 0.035	
AtMin		3.11	123.4±16.6	455.3±84.4	0.724 ± 0.040	
AtMin		3.28	115.9±17.9	441.5±64.5	0.721 ± 0.010 0.737 ± 0.011	
AtMin		3.23	113.5±17.5 113.6±17.2	444.1±58.2	0.743 ± 0.011 0.743 ± 0.017	
AtMin		2.94	119.1±19.5	433.0±45.9	0.724 ± 0.037	
		•				
AtMin	16 1.71	2.89	122.1 ± 10.7	447.7±41.0	0.725 ± 0.019	

The measurements were taken over two days, and due to variation in the Fo and $F_{\mbox{\tiny M}}$ measurements these were kept separate. Fluorescence measurements are averaged from eight samples.

FIG. 7

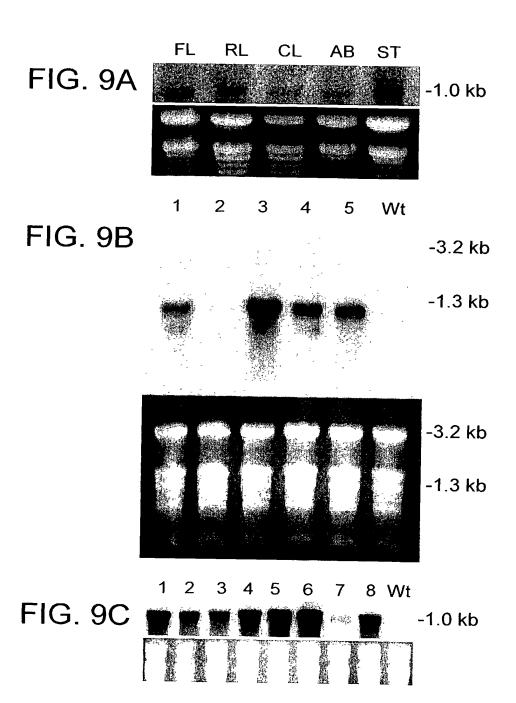
INVENTOR(S): RANDY DINKINS ET AL. APPLICATION SERIAL NO: 10/067,989

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	*	
0 0 0 0 XAGAGPVSD 48 KVLARNTGD 77	MEEWREEL 48 [LEKWREEL 47 [LPQLKKDL 47 [LPTLRKEL 47 [LPTLRKEL 47]LTCWREST 122]KRKIVNNI 154	97 88 88 84 87 2FPFGV 198 0FYVPE 229
MATLLQQGTFAPHRSWSGRKGTRRVSKPTLNRLHVRSSSKAGAGPVSD MATLLQQGTFAPHRSWSGRKGTRRVSKPTLNRLHVRSSSKAGAGPVSD MAMSSGTLRISATLVSPYHHHHRNRLSLPS∳SSSK▼VDFTGFISNGVNSLETQKCTPGLAISRENTRGQVKVLARNTGD	MILETTERTFESSGKUSGEDARRIKTVIANDRSCISPEMMEENTRET MITEFFERTFESNKGSREDVKRRIKTVIANDRSTL-NASTLEKWREET MAILLDFFLSRKKNTANIAKFRLQIIVAHERGOR-AQPDYLPQIQKDI MSILLDFFRSRKSQNSASIAKFRLQIIVAHERGOR-AQPDYLPQIQKDI MSILLDFFRSRKSQKTATVARDRLQIIIAQERAQEGQTPDYLPTIGKEEU 9 AHLAHLRNAGHPVPEAPGLQGFVAKLKAAWQIFFPEKPPV-ITPKDEGKWRLRMILWADRCGITPDSLTGWRESI 10 YELSPSPAEQEIESFLYNAINMGFFDRLNIAWKIIFPSHASRRSSNARIAKMILFSDRCDVSDEAKRKIWNII	573
	ппппппα «	4 4 4 4 4 4 4 4
Syne Guill Ecoli Pseudo Neiss Chlorel	Syne Guill Ecoli Pseudo Neiss Chlorel	Syne Guill Ecoli Pseudo Neiss Chlorel

INVENTOR(S): RANDY DINKINS ET AL.

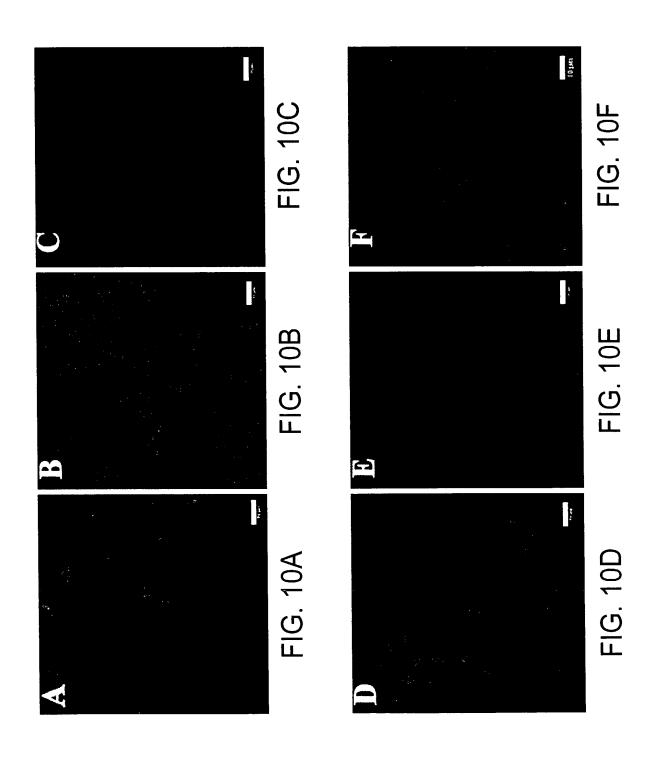
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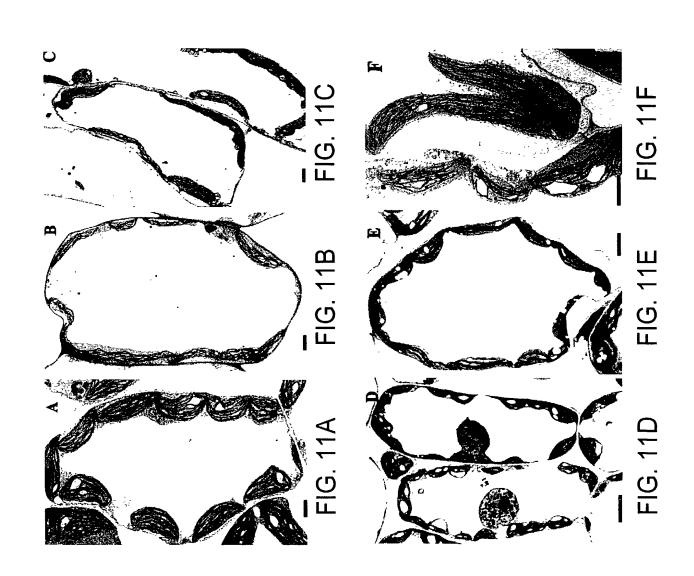
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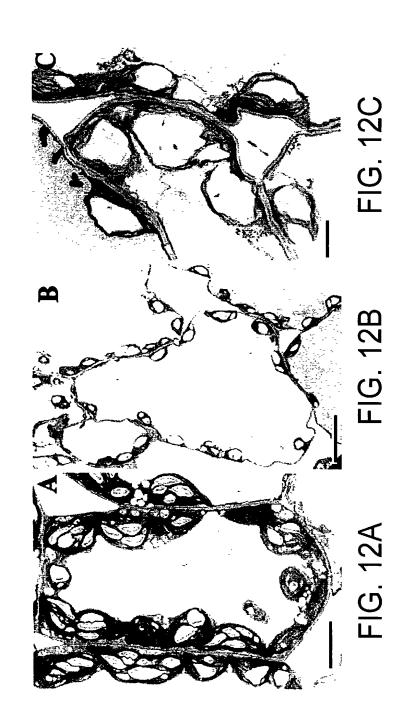


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INVENTOR(S): RANDY DINKINS ET AL.
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